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Fall 9-1-2018

AHXR 100.01: Introduction to Diagnostic Imaging

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MISSOULA COLLEGE, UNIVERSITY OF MONTANA

RADIOLOGIC TECHNOLOGY PROGRAM

AHXR 100 Introduction to Diagnostic Imaging

Fall 2018

Credits: 2

Instructor: Dan Funsch

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Phone: (406) 239-6488 (cell)

Office: 420

Office Hours: Mon – Fri: 7 – 9 am

RELATIONSHIP TO PROGRAM

This introductory course sets the context for all other classes and clinical requirements of the A.A.S. degree program. Content provides an introduction to the scientific, technological, patient care, and professional perspectives of Medical Imaging.

COURSE DESCRIPTION

Course relies on directed readings, in-class lectures, on-line modules, and guest speakers to provide an overview of the health care industry in general, and medical imaging in particular.

PREREQUISITES: Students must have completed all Program pre-requisites

REQUIRED TEXT: Patient Care in Radiography with an Introduction to Medical Imaging, Ninth Edition, Ruth Ann Ehrlich and Dawn M. Coakes. ISBN 9780323353762

STUDENT ASSESSMENT AND GRADING

The final grade will be based on:

- Quizzes & Exams based on textbook readings
- Participation/attendance in class & outside events
- Completion of "Health Care Essentials" modules

Grading Scale:

100 - 90 = A

89 – 80 = B

79 – 70 = C

69 – 60 = D

Academic Conduct

All students must practice academic honesty. Academic misconduct is subject to an academic penalty by the course instructor and/or disciplinary sanction by the University.

All students need to be familiar with the Student Conduct Code. The Code is available for review online at <http://www.umt.edu/SA/VP/SA/index.cfm/page/1321>.

STUDENTS WITH DISABILITIES: Eligible students with disabilities will receive appropriate accommodations in this course when requested in a timely way. Please be prepared to provide a letter from your DSS Coordinator.

ATTENDANCE POLICY: All students are expected to come to class each, on time. Cell phones must be turned off. Constructive participation is expected. Disruptive behavior will not be tolerated.

**Syllabi are subject to change*

Note: Students must pass this course with a "B" (80%) to remain in the Radiology Technology Program.

STUDENT LEARNING OBJECTIVES & OUTCOMES

Upon completion of this course, the student will be able to:

1. Identify health science professions that participate in the patient's total health care.
2. Identify various settings involved in the delivery of health care.
3. Discuss the reimbursement/payment options for health care services.
4. Discuss the role and value of a mission statement to the operation of health care institution.
5. Describe relationships and interdependencies of departments within a health care institution
6. Identify and discuss the responsibilities and relationships of all personnel in the radiology department
7. Differentiate between accreditation types.
8. Define credentialing, national certification, and registration and state licensure.
9. Describe the types, purposes and functions of professional organizations.
10. Discuss career advancement and opportunities for the radiographer.
11. Apply the word-building process of medical terminology
12. Interpret medical abbreviations and symbols.
13. Critique orders, requests and diagnostic reports.
14. Define medical imaging and radiation oncology terms.
15. Translate medical terms, abbreviations and symbols from medical reports into layman's terms.
16. Identify the benefits of continuing education as related to improved patient care and professional enhancement.
17. Explain select concepts embodied in the principles of patients' rights, the doctrine of informed (patient) consent and other issues related to patients' rights.
18. Discuss the origins of medical ethics.
19. Explain legal terms, principles, doctrines and laws specific to the radiologic sciences.
20. Identify standards for informed consent and disclosure of protected health information.
21. Describe how consent forms are used relative to specific radiographic procedures.

AHXR 100 Weekly Class Schedule – Fall 2018

| Week of | READING ASSIGNMENT | Assignment/Due date |
|---------------------|--|---|
| August 27 | Class Introduction | Purchase textbook |
| September 3 | In class lecture on Chapter 1 | Read Chapters 1 - 3 |
| September 10 | In class lecture on Chapters 2 & 3 | Read Chapter 4 Friday 9/12 IPE event 1-4 pm UC Ballroom |
| September 17 | In class lecture on Chapter 4 | Study for test |
| September 24 | In class Test on Chapters 1 - 4 | Read Chapter 5 |
| October 1 | In class lecture on Chap 5 | Read Chapter 6 |
| October 8 | In class lecture on Chap 6 | Read Chapter 7 Friday 10/14 Career Fair 9:30-11:30 |
| October 15 | In class lecture on Chap 7 | Read Chapter 8 |
| October 22 | In class lecture on Chap 8 | Read Chapter 9 |
| October 29 | In class lecture on Chap 9 | |
| November 5 | In class lecture on Chap | |
| November 12 | In class lecture on Chap | |
| November 19 | In class lecture on Chaps | |
| November 26 | In class lecture on Chaps | |
| December 3 | Last day of class | |
| December 10 | Final Exam | |